

Ali Amraei - Senior Frontend Engineer

Personal Information

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Professional Summary

Senior Frontend Engineer with 5+ years of experience architecting enterprise-grade web applications using React, Next.js, and TypeScript. Led complete frontend modernizations, including legacy AngularJS migrations to scalable React/NX monorepos, reduced bundle sizes by up to 40%, and delivered high-performance video streaming platforms. Experienced in frontend architecture, performance optimization, PWAs, SEO, authentication, and mentoring engineers while collaborating with cross-functional Agile teams.

Technical Skills

Languages & Frameworks: JavaScript (ES6+), TypeScript, React, Next.js (App Router, SSR, ISR, SSG, CSR), React Native, React Native Web, AngularJS

State & Data Management: TanStack Query (React Query), Apollo Client, GraphQL, REST APIs, Zustand, Context API, Axios, React Hook Form, Zod

Architecture & Tooling: NX Monorepo, Vite, Webpack, Docker, Git, GitLab CI/CD, BFF Pattern, ESLint, Prettier

UI, Styling & Design Systems: Ant Design, Tailwind CSS, shadcn/ui, Radix UI, styled-components, CSS3, Sass, Less, Responsive Design, i18n, RTL (Persian)

Performance & Specialized: PWA, Service Workers, SEO, Performance Optimization, Lazy Loading, Image Optimization, Keycloak, Video.js, Mapbox, ECharts, FullCalendar, Mermaid, Form.io/Form.js Plugin Development

Testing & Quality: Cypress (E2E), Playwright, Vitest, Code Review, Refactoring, Technical Interviewing

Leadership & Collaboration: Agile, Scrum, Jira, Mentoring Junior Developers, Cross-functional Team Collaboration

Professional Experience

Senior Frontend Engineer | Samim Engineering Group | Nov 2024 - Present | Tehran, Iran

- Led the ground-up rewrite of a legacy AngularJS BPMS into a modern NX monorepo using React, TypeScript, Vite, and Ant Design, establishing a scalable frontend architecture and mentoring a junior developer throughout the migration.
- Reduced the legacy BPMS bundle size by 40% through Webpack optimization, modularization, and code splitting, significantly improving application load performance.
- Architected and developed an enterprise video publishing and streaming platform supporting VOD, UGC, and Reels using Next.js.
- Implemented SSR, ISR, SSG, CSR, a Backend-for-Frontend (BFF) layer, Dockerized deployment, multilingual and multi-theme support, adaptive video streaming with Video.js, and ongoing SEO and performance optimizations.
- Developed custom Form.io/Form.js plugins, including calendar components (FullCalendar), charts (ECharts), and diagrams (Mermaid), extending enterprise workflow capabilities.
- Localized and stabilized a Camunda Optimize-style BPMS analytics module with full RTL/Persian support, resolved critical functional issues, and integrated it with the core BPMS engine.

- Integrated and customized Keycloak authentication flows and login themes across enterprise applications.
- Collaborated closely with product, design, and backend teams in an Agile environment, conducted code reviews, and mentored team members.

Frontend Consultant (Part-time) | Bardin Tech | Nov 2025 - Mar 2026 | Remote

- Refactored and modernized the BOSS platform frontend by resolving legacy issues and improving application stability.
- Improved the Progressive Web App implementation through better service worker configuration, caching strategies, and offline support.
- Upgraded outdated dependencies and frontend tooling to improve maintainability and simplify future development.
- Performed code reviews and introduced cleaner coding standards that improved consistency across the codebase.

Frontend Developer | RashaSoft (Rasha Communications Development) | Sep 2021 - Sep 2024 | Tehran, Iran

- Developed and maintained enterprise applications including BOSS, mySME, PRM, Customer Portal, and Cartable for Irancell using React, Next.js, and TypeScript.
- Refactored the BOSS frontend to improve maintainability, scalability, and overall performance while collaborating closely with backend, design, and business teams.
- Implemented end-to-end testing with Cypress, increasing application reliability and reducing regression issues.
- Optimized Webpack configuration to improve build performance and reduce application load times.
- Conducted code reviews, mentored interns and junior developers, and participated in frontend technical interviews.
- Collaborated with the Business Analytics team to evaluate technical feasibility and estimate implementation scope for new features.

Frontend Developer | Digiwash | Mar 2020 - Aug 2021 | Tehran, Iran

- Developed three interconnected mobile applications (Factory App, Driver App, and Customer App) using React Native and TypeScript for Android and iOS.
- Delivered web counterparts from the same shared codebase using React Native Web.
- Built a CRM system using React and TypeScript, improving customer management efficiency by 30%.
- Integrated REST APIs and GraphQL services to enable reliable real-time data synchronization across factories, drivers, and customers.

Education

Bachelor of Computer Engineering
Azad University, Tehran, Iran | Graduated: 2021

Languages

- Persian — Native
- English — Professional Working Proficiency